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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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1700 DIAGONAL RD			KUMAR, SRILAKSHMI K	
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			2629	
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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)	
Office Action Commence	09/644,797	AMAFUJI ET AL.	
Office Action Summary	Examiner	Art Unit	
	SRILAKSHMI K. KUMAR	2629	
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence ad	ldress
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA  - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication.  - If NO period for reply is specified above, the maximum statutory period w  - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION  16(a). In no event, however, may a reply be tim  ill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONEI	I. ely filed the mailing date of this coorsists U.S.C. § 133).	
Status			
<ul> <li>1) ☐ Responsive to communication(s) filed on 19 Fe</li> <li>2a) ☐ This action is FINAL. 2b) ☐ This</li> <li>3) ☐ Since this application is in condition for allowan closed in accordance with the practice under E</li> </ul>	action is non-final. ce except for formal matters, pro		e merits is
Disposition of Claims			
4) ☐ Claim(s) 1-4 and 6-8 is/are pending in the appli 4a) Of the above claim(s) is/are withdraw 5) ☐ Claim(s) 6-8 is/are allowed. 6) ☐ Claim(s) 1-4 is/are rejected. 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) are subject to restriction and/or	vn from consideration.		
Application Papers			
9) The specification is objected to by the Examiner 10) The drawing(s) filed on is/are: a) acce Applicant may not request that any objection to the of Replacement drawing sheet(s) including the correction 11) The oath or declaration is objected to by the Examiner	epted or b) $\square$ objected to by the Edrawing(s) be held in abeyance. See on is required if the drawing(s) is obj	937 CFR 1.85(a). ected to. See 37 Cl	` ,
Priority under 35 U.S.C. § 119			
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of:  1. Certified copies of the priority documents 2. Certified copies of the priority documents 3. Copies of the certified copies of the priori application from the International Bureau * See the attached detailed Office action for a list of	s have been received. s have been received in Application ity documents have been received (PCT Rule 17.2(a)).	on No ed in this National	Stage
Attachment(s)  1) Notice of References Cited (PTO-892)  2) Notice of Draftsperson's Patent Drawing Review (PTO-948)  3) Information Disclosure Statement(s) (PTO/SB/08)  Paper No(s)/Mail Date	4)  Interview Summary Paper No(s)/Mail Da 5)  Notice of Informal P 6) Other:	ite	

#### **DETAILED ACTION**

The following office action is in response to the request for revival of abandonment granted on 10/20/2010. The after final amendment filed on 2/19/2003 have been entered. The finality of the previous office action is withdrawn. Claims 1-4, 6-8 are pending.

# Claim Rejections - 35 USC § 112

- 1. The following is a quotation of the second paragraph of 35 U.S.C. 112:
  - The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.
- 2. Claim 1 is rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

In Claim 1, applicant claims "and including a computer side output transmission circuit connected to the display device through the at least one interface so that the signals at the computer passing through the bus line are transmitted to the display device by wireless as they are". Examiner is unclear if the applicant is claiming that the signals are transmitted wirelessly or wired. Applicant claims where the signals pass through a bus line but then also claims that they are wireless. Clarification is requested.

Further in Claim 1, it seems that applicant has a missing term in the limitation, "...the signals at the computer passing through the bus line are transmitted to the display device by wireless as they are..." The limitation of "are transmitted to the display device by wireless as they are" is unclear. Appropriate correction is required.

Also in claim 1, applicant claims "and are processed at a user side to be displayed at the display device through the at least one interface, said signals being transferred to the body side

Art Unit: 2629

output transmission circuit without processing and being processed to obtain each kind of signals at the user side." This limitation seems to repeat itself. Applicant claims initially that the signals are processed at a user side, and then repeats this same limitation saying that the signals are transferred without processing to the body side output transmission circuit and then repeats the signals are processed at the user side. Appropriate correction is required.

## Claim Rejections - 35 USC § 102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

The changes made to 35 U.S.C. 102(e) by the American Inventors Protection Act of 1999 (AIPA) and the Intellectual Property and High Technology Technical Amendments Act of 2002 do not apply when the reference is a U.S. patent resulting directly or indirectly from an international application filed before November 29, 2000. Therefore, the prior art date of the reference is determined under 35 U.S.C. 102(e) prior to the amendment by the AIPA (pre-AIPA 35 U.S.C. 102(e)).

4. Claims 1 and 4 are rejected under 35 U.S.C. 102(e) as being anticipated by Natoli et al (US 6,388,657).

As to independent claim 1, Natoli et al teaches a body mounting display system (Fig. 1), comprising: a display device to be worn by a user (Fig. 1 VR LCD Headset) and having at least one interface (Fig. 1, VR gloves), computer (Fig. 1, second processor which is the computer as

Art Unit: 2629

shown in Fig. 2) situated away from the display device and having a bus line for outputting signals corresponding to at least display data (Fig. 2 teaches where the computer is situated away, in Fig. 4, where signals are sent), said computer transmitting a plurality of different kinds of signals (col. 7, line 40-col. 8, line 15); and a radio transmission device disposed between the display device and the computer (col. 7, line 40-col. 8, line 15, 40-col. 9, line 35), and including a computer side output transmission circuit connected to the display device through the at least one interface so that the signals at the computer passing through the bus line are transmitted to the display device by wireless as they are (col. 6, lines 1-10 teach wireless transmissions, col. 7, line 40-col. 9, line 35), and are processed at a user side to be displayed at the display device through the at least one interface, said signals being transferred to the body side output transmission circuit without processing and being processed to obtain each kind of signals at the user side (col. 2, lines 38-49 and col. 7, lines 40-col. 9, line 35).

As to independent claim 4, Natoli et al teaches a body mounting display system (Fig. 1), comprising a display device to be worn by the user (Fig. 1, VR LCD Headset); an image output interface connected to the display device (col. 2, lines 38-49 and col. 7, lines 40-col. 9, line 35), a computer located away from the display device (Fig. 2, where the computer is situated away) for outputting signal corresponding to display data for the display device and having a bus line (col. 2, lines 38-49 and col. 5, lines 28-67, col. 7, lines 40-col. 9, line 35), said computer transmitting a plurality of different signals (col. 2, lines 38-49 and col. 5, lines 28-67, col. 7, lines 40-col. 9, line 35), and a signal transmission device disposed between the display device and the computer, and including a computer side output transmission circuit connected to the computer through the bus line (Fig. 1, col. 2, lines 38-49 and col. 5, lines 28-67, col. 7, lines 40-col. 9, line 35) and a

Application/Control Number: 09/644,797

Art Unit: 2629

Page 5

body side output transmission circuit connected to the display device through the image output interface, said computer side output transmission circuit having a first buffer memory to which data corresponding to the signal through the bus line is written by the computer (col. 2, lines 38-49 and col. 5, lines 28-67, col. 7, lines 40-col. 9, line 35), a first reading device for reading the data stored in the first buffer memory and converting the data to communication signals (col. 2, lines 38-49 and col. 5, lines 28-67, col. 7, lines 40-col. 9, line 35), said body side output transmission circuit including a first receiving device for receiving the communication signals sent from the first sending device as they are and a first restoring device for restoring the received communication signals to signals corresponding to the signals outputted through the bus line (col. 2, lines 38-49 and col. 5, lines 28-67, col. 7, lines 40-col. 9, line 35), said signals of the computer being transferred to the body side output transmission circuit without processing and being processed to obtain each kind of signals at the user side (col. 2, lines 38-49 and col. 5, lines 28-67, col. 7, lines 40-col. 9, line 35), said image output interface processing and producing signals at the user side for actuating the display device based on the communication signals (col. 6, line 1-63).

As to dependent claims 2 and 3, see rejection of claim 4, above.

### Allowable Subject Matter

5. Claims 6-8 are allowed.

## **Response to Arguments**

6. Applicant's arguments with respect to claims 1 and 4 have been considered but are moot in view of the new ground(s) of rejection.

Art Unit: 2629

#### Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to SRILAKSHMI K. KUMAR whose telephone number is (571)272-7769. The examiner can normally be reached on 7:00 am to 4:30 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Sue Lefkowitz can be reached on 571 272 3638. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Srilakshmi K Kumar/ Primary Examiner Art Unit 2629

March 17, 2011